




Electronic Information Disclosure Statement

Generation of Viable Cell Active Biomaterial Patterns by Laser Transfer

Application: 
10/068315
Confirmation: 8845
Applicant(s): Bradley Ringeisen
Docket Number: 83,665
Group Art Unit:
Examiner:
search string: (5582752).pn.


RECEIVED

NOV 07 2002


TC 1700

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
EP	P01	5582752	1996-12-10		Zair		


Signature

Examiner Name	Date
	9/2/03



Electronic Information Disclosure Statement



Generation of viable cell active biomaterial patterns by laser transfer

Application: 
10/068315
Confirmation: 8845
Applicant(s): Bradley Ringeisen
Docket Number: 83,665
Group Art Unit:
Examiner:
search string: (6040139 or 6165170).pn.

RECEIVED
SEP 4 - 2002
TC 1700

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
EE	P01	6040139	2000-03-21		Bova		
EE	P02	6165170	2000-12-26		Wynne		


Remarks

(Remarks are not for responding to an office action.)

Prepared by: Joseph T. Grunkemeyer Reg. No. 46,746 Phone: (202) 404-1556

RECEIVED
SEP 12 2002
TC 1700

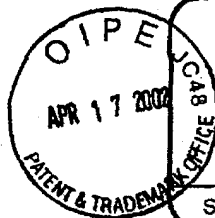
Signature

Examiner Name	Date
	9/21/03

+

+

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**Complete if Known**

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	3
-------	---	----	---

Application Number	10/068,315
Filing Date	February 08, 2002
First Named Inventor	Ringeisen
Group Art Unit	1734
Examiner Name	unknown
Attorney Docket Number	NC 83.665

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.1	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code* (if known)			
28	A	3,745,586		Braudy	07/10/1973	
	B	3,978,247		Braudy et al.	08/31/1976	
	C	4,064,205		Landsman	12/20/1977	
	D	4,245,003		Oransky et al.	01/13/1981	
	E	4,702,958		Itoh et al.	10/27/1987	
	F	4,752,455		Mayer	06/21/1998	
	G	4,895,735		Cook	01/23/1990	
	H	4,970,196		Kim et al.	11/13/1990	
	T	4,987,006		Williams et al.	01/22/1991	
	I	5,156,938		Foley et al.	10/20/1992	
	K	5,171,650		Ellis et al.	12/15/1992	
	T	5,173,441		Yu et al.	12/22/1992	
	M	5,256,506		Ellis et al.	10/26/1993	
	N	5,292,559		Joyce, Jr. et al.	03/08/1994	
	O	5,492,861		Opower	02/20/1996	
	P	5,567,336		Tatah	10/22/1996	
	Q	5,725,706		Thoma et al.	03/10/1998	
	R	5,725,914		Opower	03/10/1998	
	S	5,736,464		Opower	04/07/1998	
28	T	6,025,036		McGill et al.	02/15/2000	

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner
Signature

[Handwritten signature]

Date _____

Considered

9/22/03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



+

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

(use as many sheets as necessary)

Sheet	2	of	3
-------	---	----	---

Application Number	10/068,315
Filing Date	February 08,2002
First Named Inventor	Ringeisen
Group Art Unit	1734
Examiner Name	unknown
Attorney Docket Number	NC 83 665

[illegible][illegible]

[Signature]

9/23/05

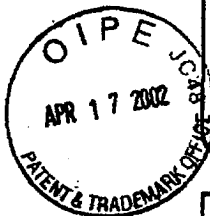
¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

+

Please type a plus sign (+) inside this box → ☐

PTO/SB/08B (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 3 of 3

Complete If Known

Application Number	10/068,315
Filing Date	February 08, 2002
First Named Inventor	Ringeisen
Group Art Unit	1734
Examiner Name	unknown
Attorney Docket Number	83,665

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
EF	Y	Tolbert et al, "Laser Ablation Transfer Imaging Using Picosecond Optical Pulses: Ultra-High Speed, Lower Threshold and High Resolution" Journal of Imaging Science and Technology, Vol. 37 No. 5 Sept/Oct. 1993 pp. 485-489	
	Z	Adrian et al, "A Study of the Mechanism of Metal Deposition by the Laser-Induced Forward Transfer Process" J. Vac. Sci. Technol. B5 (5), Sept/Oct. 1987 pp. 1490-1494	
	AA	Bohandy et al, "Metal Deposition from a Supported Metal Film Using an Excimer Laser, J. Appl. Phys. 60 (4) 15 August 1986 pp. 1538-1539	
	BB	von Gutfeld, R., Enhancing Ribbon Transfer Using Laser Printing, IBM Technical Disclosure Bulletin, Vol. 17, No. 6, Nov., 1974	
	CC	McGill, et al., "Choosing Polymer Coatings for Chemical Sensors", CHEMTECH Journal, American Chemical Society, Vol. 24, No. 9, Sept. 1994 pp. 27-37	
	DD	Ringeisen et al, "Generation of Mesoscopic Patterns of Viable Escherichia Coli by Ambient Laser Transfer", Biomaterials, Vol 23, 2002 pp. 161-166	
	EE	Wu et al, "The Deposition, Structure, Pattern Deposition, and Activity of Biomaterial Thin-Films by Matrix-Assisted Pulsed-Laser Evaporation (MAPLE) and MAPLE Direct Write", Thin Solid Films, Vol. 398-399, 2002 pp. 607-614	
	FF	Chrisey et al, "Matrix Assisted Pulsed Laser Evaporation Direct Write", Divisional Application, 09/671,166, Filed Sept. 28, 2000, pp. 1-12	
	GG	Ringeisen et al, "Generation of Viable Cell and Active Biomaterial Patterns By Laser Transfer", Provisional Application, 60/269,384 Filed Feb. 20, 2001, pp. 1-54	
	HH	Ringeisen et al, "Generation of Biomaterial Microarrays By Laser Transfer", Non-Provisional Application, 10/068,364 Filed Feb. 08, 2002 pp.1-34	
II		Meneghini et al, "Transfer Printing Medium", PCT International Application, PCT/US94/11345, Filed Oct. 06, 1994, pp. 1-22	

RECEIVED
APR 18 2002
TC

Examiner Signature	<i>E. J. [Signature]</i>	Date Considered	9/23/03
--------------------	--------------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

+

U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
a collection of information unless it contains a valid OMB control number.

+

Complete if Known

Application Number	10/068,315
Filing Date	February 08, 2002
First Named Inventor	Ringeisen
Group Art Unit	1734
Examiner Name	unknown
Attorney Docket Number	83 665

(use as many sheets as necessary)

Sheet	4	of	4
-------	---	----	---

Attorney Docket Number	83.665
------------------------	--------

[illegible]

**Examiner
Signature**

Date

Considered

9/25/05

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

+